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# (12) United States Patent

Feng et al.

(54) COMPOUNDS CONTAINING
S-N-VALERYL-N-{[2'-(1H-TETRAZOLE-5-YL)-BIPHENYL-4-YL]-METHYL}-VALINE
AND (2R,4S)-5-BIPHENYL4-YL-4-(3-CARBOXY-PROPIONYLAMINO)-2-METHYL-PENTANOIC ACID ETHYL ESTER MOIETIES
AND CATIONS

(75) Inventors: Lili Feng, Pine Brook, NJ (US); Sven
Erik Godtfredsen, Chatham, NJ (US);
Bin Hu, Green Brook, NJ (US); Yugang
Liu, Bridgewater, NJ (US); Piotr
Karpinski, Lincoln Park, NJ (US); Paul
Allen Sutton, Parsippany, NJ (US);
Mahavir Prashad, Montville, NJ (US);

Michael J. Girgis, Montville, NJ (US); Thomas J. Blacklock, Clark, NJ (US)

(73) Assignee: Novartis Pharmaceuticals

Corporation, East Hanover, NJ (US)

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- (51) Int. Cl. C07D 257/04 (2006.01) C07C 233/47 (2006.01) A61K 31/41 (2006.01) A61K 31/4422 (2006.01) A61K 31/5415 (2006.01)

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(58) Field of Classification Search

See application file for complete search history.

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Primary Examiner — Timothy Thomas (74) Attorney, Agent, or Firm — Matthew Mulkeen

## (57) ABSTRACT

A compound of an angiotensin receptor antagonist (ARB), a neutral endopeptidase inhibitor (NEPi) and one or more monovalent cations are useful for the treatment of hypertension and/or heart failure. ARB includes S—N-valeryl-N-{[2'-(1H-tetrazole-5-yl)-biphenyl-4-yl]-methyl}-valine in the anion form, NEPi includes (2R,4S)-5-biphenyl-4-yl-4-(3-carboxy-propionylamino)-2-methyl-pentanoic acid ethyl ester in the anion form and cation includes monovalent cations such as Na $^+$ . The compound includes trisodium [3-((1S, 3R)-1-biphenyl-4-ylmethyl-3-ethoxycarbonyl-1-butylcarbamoyl)propionate-(S)-3'-methyl-2'-(pentanoyl $^2$ " (tetrazol-5-ylate)biphenyl-4'-ylmethyl $^3$ amino)butyrate] hemipentahydrate.

#### 14 Claims, 1 Drawing Sheet

